

Abstract

A method and apparatus for disinfection/
pasteurization of fluids. There is provided a
5 mercury/gallium metal halide ultraviolet lamp enclosed
within an ozone free metallic doped quartz envelope, an
ozone free, metallic doped quartz enclosure for the
lamp, and a vessel containing the lamp and enclosure and
having an inlet, an outlet and a chamber in fluid
10 communication therewith defining a flow path for fluid
to be disinfected/pasturized. The lamp is operated at a
wavelength range from about 175 nanometers to about 450
nanometers to introduce ultraviolet radiation and heat
into the fluid with the enclosure preventing build up of
15 ozone.

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